

C6636312

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington®



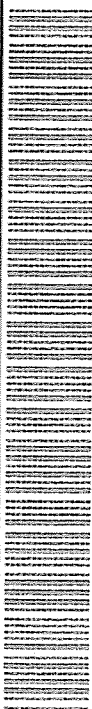

VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

MODEL 700™ H24

SERIAL NO.
C6636312

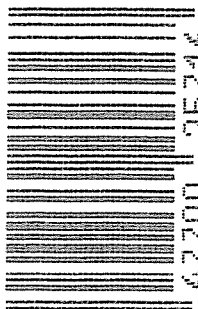
ORDER NO.
5716

MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada. Marque Deposee.



5716 C6636312

UPC



0 47700 25746 2

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # **C6636312**

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		6/25/91	K4
600	Proof		6/25/91	K4
607	Check Headspace		6/25/91	K4
610	Dis-assemble Gun		6/25/91	K4
612	Magnaflux Barrel Action	JUL	1 1991	KR
	Magnaflux Bolt	JUL	1 1991	KR
615	Rollmark Caliber	JUL	1 1991	28
617	Drill and Tap Sight Holes	JUL	1 1991	LB
618	Polish Barrel	JUL	2 1991	LB
620	Apply Coatings (Barrel Action)		7-23-91	LB
	Apply Coating (Bolt)			LB
625	Final Assembly A) Clean inside of Bolt Assembly		7/23/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7/23/91	KS
	C) Inspect Ejector Hole for Chamfer		7/23/91	KS
	D) Oil Firing Pin Ass'y		7/23/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		7-25-91	YU

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	8	7	7			7-29-91	DH
	G) Safety Off Force	3	3	3			7-29-91	DH
	H) Trigger Pull Test & Retainability						7-25-91	YU
	I) Firing Pin Indent	.020	.020	.020			7-29-91	DH
	J) Assemble Stock						7/29/91	KS
	K) Assemble Swivel Studs							
	L) Attach Front and Rear Sight Assemblies						7/29/91	KS
	M) Iron Sight Alignment						7/29/91	KS
	N) Detach Front & Rear Sights & place in numbered container						7/29/91	KS
	O) Attach Scope to Rifle						7/29/91	KS
	P) Detach & Attach Scope 20 Times						7/29/91	KS
640	Gallery Target & Test						7/30/91	KT
	A) Time							KT
	B) Malfunctions							KT
	C) Pierced Primers							KT
	D) Optical Clarity of Scope							KT
645	Inspect for Live Ammo						7/30/91	KT
655	Final Inspection							
	A) Headspace						8-5-91	AK
	B) Trigger Pull	2.15	2.20	2.25	2.15	2.18	8-5-91	YU
	C) Function						8-5-91	AK
660	Pack						9-18-91	AK

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C-6636312

DATE 7-25-91

TESTER JU

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.32	2.27	2.35	2.15	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.25	2.29	2.44	2.20	
PULL #3	2.32	2.25	2.26	2.25	
PULL #4	2.25	2.33	2.30	2.15	
PULL #5	2.23	2.25	2.31	2.18	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.39	3.47		
PULL #2	3.37	3.45		
PULL #3	3.40	3.39		
PULL #4	3.55	3.49		
PULL #5	3.47	3.45		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.57	4.30		4.43
PULL #2	4.57	4.26		4.45
PULL #3	4.28	4.33		4.26
PULL #4	4.49	4.44		4.32
PULL #5	4.30	4.21		4.51
TOTAL				
AVG.				

WINDAGE DISTANCE CALCULATIONS

WINDAGE # 6696312

WINDAGE

WINDAGE DISTANCES

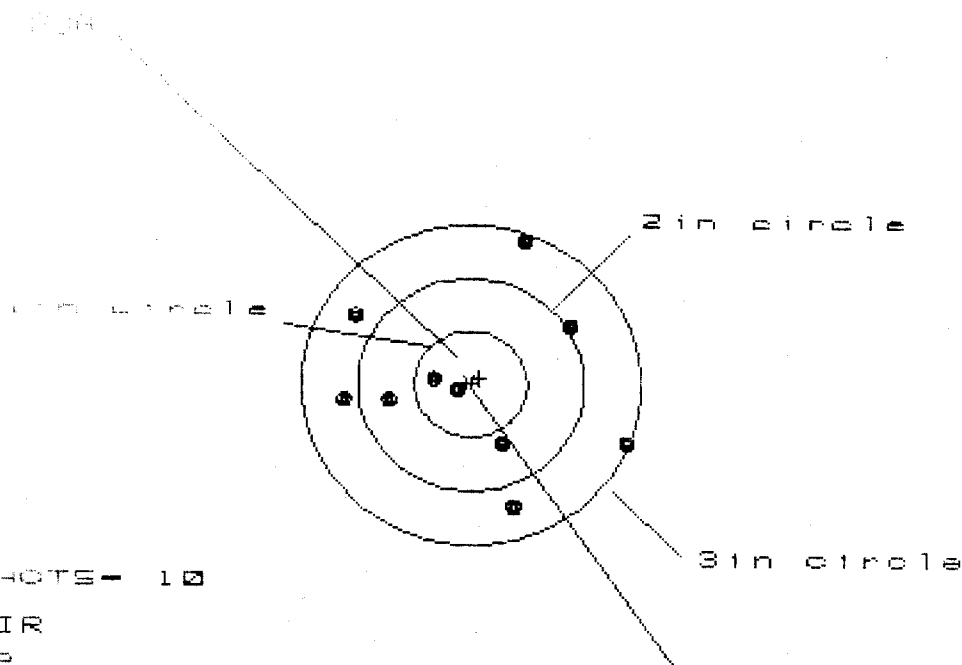
WIND	1	.0940479
WIND	2	.18685
WIND	3	.345411
WIND	4	.21374
WIND	5	.20001

-----PDR

WINDAGE DISTANCE FOR THIS RIFLE IS: .0068
 WINDAGE DISTANCE FOR THIS RIFLE IS: -.0152
 WINDAGE DISTANCE FOR THIS RIFLE IS: .0166517
 WINDAGE DISTANCE FOR THIS RIFLE IS: .002

FILE: PATTERNING/CENTERFIRE_PATT/C6536312

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 2

2in = 4

3in = 10

HS= 2.525

VS= 2.515

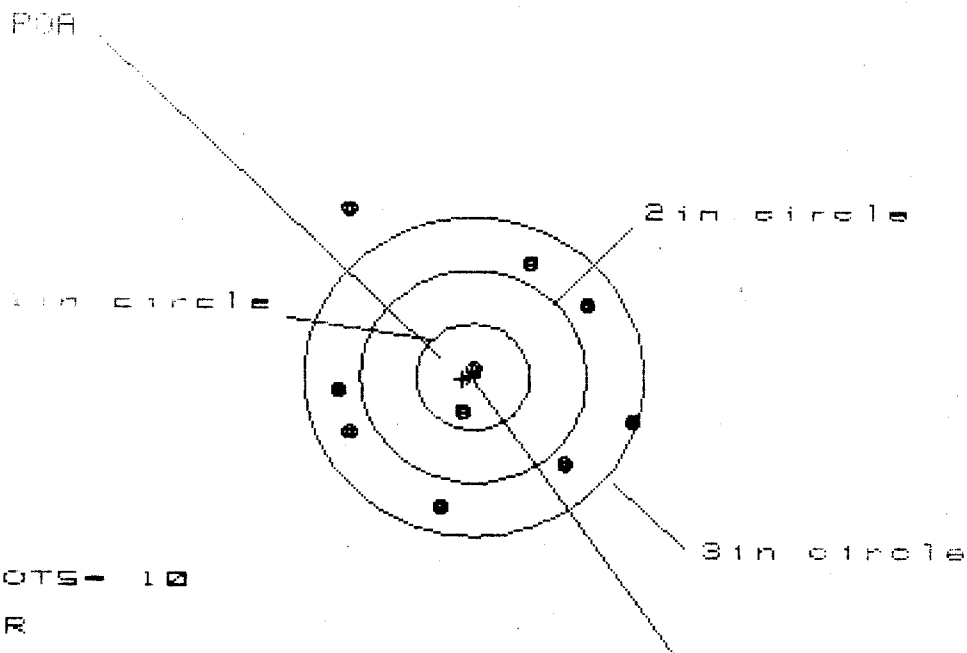
GS= 2.665

CENTROID #

PATTERN #	:			
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.372	.989	1.065
MINIMUM X	:	-1.153	-1.000	-.924
MAXIMUM Y	:	1.351	1.291	.761
MINIMUM Y	:	-1.164	-1.224	-1.062
CENTROID X	:	-.077	-.230	-.306
CENTROID Y	:	-.054	.006	-.156
POA TO CENTROID in:	:	.094	.230	.343
MIN RADIUS	:	.165	.154	.093
MEAN RADIUS	:	.934	.846	.742
MAX RADIUS	:	1.474	1.427	1.257
HORIZONTAL SPREAD	:	2.525	1.989	1.989
VERTICAL SPREAD	:	2.515	2.515	1.823
EXTREME SPREAD	:	2.665	2.516	2.294
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 2

3 in = 9

HS= 2.586

VS= 2.777

GS= 3.263

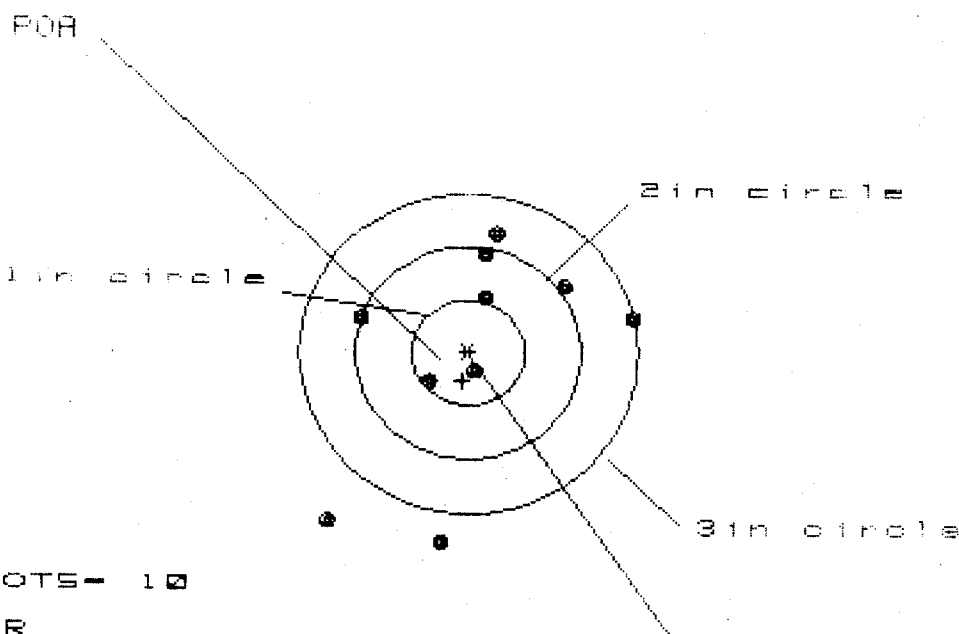
CENTROID #

PATTERN #	:			
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.417	1.292	1.050
MINIMUM X	:	-1.169	-1.294	-1.132
MAXIMUM Y	:	1.583	1.237	1.201
MINIMUM Y	:	-1.194	-1.018	-1.054
CENTROID X	:	.095	.220	.058
CENTROID Y	:	.019	-.156	-.120
POA TO CENTROID in.	:	.097	.270	.134
MIN RADIUS	:	.101	.219	.156
MEAN RADIUS	:	1.103	1.000	.939
MAX RADIUS	:	1.940	1.324	1.347
HORIZONTAL SPREAD	:	2.586	2.586	2.182
VERTICAL SPREAD	:	2.777	2.255	2.255
EXTREME SPREAD	:	3.263	2.614	2.460
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 2

2in = 4

3in = 7

HS= 2.750

VS= 2.912

GS= 3.389

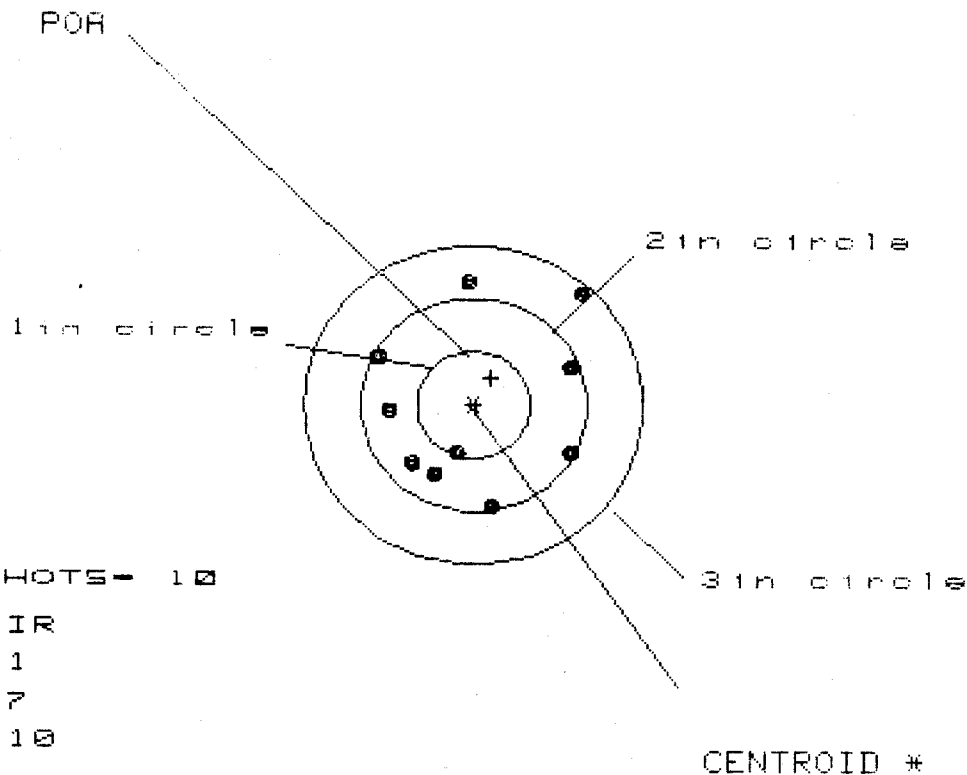
CENTROID *

PATTERN #	:			
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.467	1.324	1.275
MINIMUM X	:	-1.283	-1.122	-1.171
MAXIMUM Y	:	1.118	.941	.694
MINIMUM Y	:	-1.794	-1.971	-.723
CENTROID X	:	.048	.191	.240
CENTROID Y	:	.268	.445	.692
POA TO CENTROID in.	:	.272	.484	.732
MIN RADIUS	:	.139	.336	.122
MEAN RADIUS	:	1.064	.926	.737
MAX RADIUS	:	2.050	2.010	1.276
HORIZONTAL SPREAD	:	2.750	2.446	2.446
VERTICAL SPREAD	:	2.912	2.912	1.417
EXTREME SPREAD	:	3.389	2.954	2.447
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

08 JUL 1991

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 1

2in = 7

3in = 10

HS= 1.814

VS= 2.077

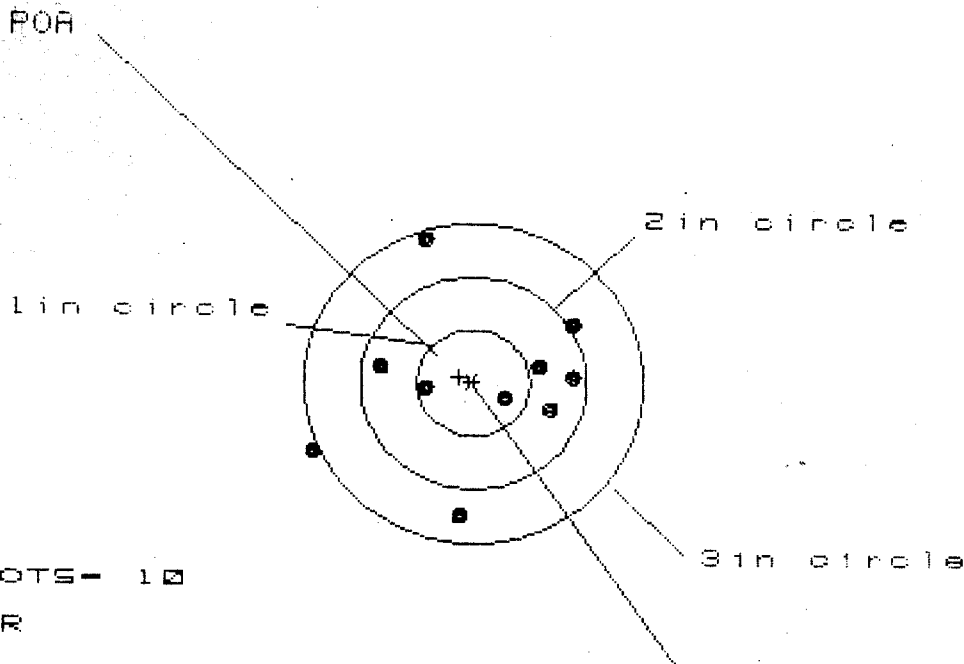
GS= 2.162

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.924	.986	.988
MINIMUM X	:	-.890	-.788	-.786
MAXIMUM Y	:	1.117	1.235	.764
MINIMUM Y	:	-.960	-.842	-.688
CENTROID X	:	-.155	-.257	-.259
CENTROID Y	:	-.253	-.371	-.525
POA TO CENTROID in.	:	.297	.451	.586
MIN RADIUS	:	.488	.345	.197
MEAN RADIUS	:	.909	.814	.718
MAX RADIUS	:	1.404	1.235	1.193
HORIZONTAL SPREAD	:	1.814	1.774	1.774
VERTICAL SPREAD	:	2.077	2.077	1.452
EXTREME SPREAD	:	2.162	2.090	1.934
NUMBER IN ONE INCH CIRCLE =	:	1		
NUMBER IN TWO INCH CIRCLE =	:	7		
NUMBER IN THREE INCH CIRCLE =	:	10		

30 JUL 1991

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 9

HS= 2.313

VS= 2.556

GS= 2.627

CENTROID *

PATTERN #	:			
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.877	.717	.645
MINIMUM X	:	-1.436	-1.005	-1.077
MAXIMUM Y	:	1.350	1.274	.640
MINIMUM Y	:	-1.206	-1.282	-1.123
CENTROID X	:	.123	.283	.355
CENTROID Y	:	-.056	.020	-.139
POA TO CENTROID in.	:	.135	.283	.382
MIN RADIUS	:	.326	.276	.101
MEAN RADIUS	:	.900	.793	.680
MAX RADIUS	:	1.592	1.401	1.182
HORIZONTAL SPREAD	:	2.313	1.722	1.722
VERTICAL SPREAD	:	2.556	2.556	1.763
EXTREME SPREAD	:	2.627	2.572	2.033
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	